

BE IT FURTHER RESOLVED: Engines in this engine family ("primary engines") may include the auxiliary power system (APS) described above for additional idle emissions control subject to the following stipulations. (A) Engine exhaust from the APS is routed directly into the exhaust system of the primary engine upstream of its diesel particulate matter aftertreatment device. And, (B) The manufacturer shall ensure that each primary engine so equipped with the APS is provided with an approved "Verified Clean APS" label to be affixed to the vehicle into which the primary engine is installed. The "Verified Clean APS" label shall conform to 13 CCR 2485(c)(3)(D) and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" adopted Dec. 12, 2002, as last amended Sep. 1, 2006.



BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [Otto engines] and the incorporated 40 CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending submission of additional information to justify the auxiliary emission control device (AECD) used for engine protection. The manufacturer must demonstrate that the use of the AECD is the minimum strategy necessary for engine protection. The manufacturer has until March 31, 2008 to resolve concerns on this conditional certification. This Executive Order is effective through March 31, 2008; engines produced after the aforementioned effective date are deemed uncertified.

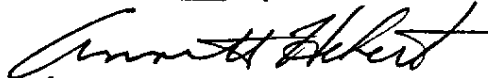
BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending final approval of "Certified Clean Idle" and "Verified Clean APS" vehicle labels. The manufacturer has until March 31, 2008 to resolve concerns on this conditional certification. This Executive Order is effective through March 31, 2008; engines produced after this date are not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order A-021-0471 dated January 18, 2008.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 5 day of March 2008.


Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5.Fuel Rate: lb/s/hr @ peak HP (for diesel only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm ³ /stroke @ peak torque	8.Fuel Rate: (lb/s/hr) @ peak torque/Device Per SAE J1830	9.Emission Control
8CEXH0912XAL	1434;FR10637	ISX 500	525@1800	318	193	1850@1200	367	149	12X, PTOX, PCM,
8CEXH0912XAL	1434;FR10636	ISX 500ST	525@1800	318	193	1850@1200	367	149	TC, PTOX, PCM,
8CEXH0912XAL	1434;FR10638	ISX 500	525@1800	318	193	1650@1200	326	132	CAS, PTOX, PCM,
8CEXH0912XAL	1434;FR10639	ISX 485ST	500@1800	299	181	1850@1200	367	149	E62, PTOX, PCM,
8CEXH0912XAL	1434;FR10640	ISX 485	500@1800	299	181	1850@1200	367	149	CC, PTOX, PCM,
8CEXH0912XAL	1434;FR10641	ISX 485	500@1800	299	181	1650@1200	326	132	PTOX, PTOX, PCM,
8CEXH0912XAL	1434;FR10642	ISX 450ST	450@1800	267	162	1750@1200	342	139	6NA, PTOX, PCM,
8CEXH0912XAL	1434;FR10644	ISX 450	450@1800	267	162	1650@1200	326	132	↓ PTOX, PCM,
8CEXH0912XAL	1434;FR10645	ISX 450	450@1800	267	162	1550@1200	298	120	FX, PTOX, PCM,
8CEXH0912XAL	1434;FR10643	ISX 450ST	450@1800	267	162	1750@1200	342	139	4U, PTOX, PCM,
8CEXH0912XAL	1434;FR10634	ISX 500V	500@1800	299	181	1850@1200	367	149	6J34, PTOX, PCM,
8CEXH0912XAL	1434;FR10635	ISX 500V	500@1800	299	181	1650@1200	326	132	PTOX, PCM,
8CEXH0912XAL	2733;FR10637	ISX 500	525@1800	318	193	1850@1200	367	149	PTOX, PCM,
8CEXH0912XAL	2733;FR10636	ISX 500ST	525@1800	318	193	1850@1200	367	149	PTOX, PCM,
8CEXH0912XAL	2733;FR10638	ISX 500	525@1800	318	193	1650@1200	326	132	PTOX, PCM,
8CEXH0912XAL	2733;FR10639	ISX 485ST	500@1800	299	181	1850@1200	367	149	PTOX, PCM,
8CEXH0912XAL	2733;FR10640	ISX 485	500@1800	299	181	1850@1200	367	149	PTOX, PCM,
8CEXH0912XAL	2733;FR10641	ISX 485	500@1800	299	181	1650@1200	326	132	PTOX, PCM,
8CEXH0912XAL	2733;FR10634	ISX 500V	500@1800	299	181	1850@1200	367	149	PTOX, PCM,
8CEXH0912XAL	2733;FR10635	ISX 500V	500@1800	299	181	1650@1200	326	132	PTOX, PCM,
8CEXH0912XAL	2733;FR10695	ISX 455ST	478@1800	280	170	1750@1200	348	141	PTOX, PCM,

ATTACHMENT

A-021-471-1